



Sheet 1 of 8

Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)

03761.012/5061.8

Application Number

10/072,613

Applicant Cao

Filing Date 02/05/02

Group Art Unit

2875

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RL	Guido Goracci, Giovanni Mori, Luca Casa de Martins, "Curing light intensity and marginal leakage of resin composite restorations", Quintessence International, volume 27, number 5/1995 (6 pages)
↓	Hironaka Kato, "Relationship between the velocity of polymerization and adaptation to dental cavity wall of light cured composites", Dental materials journal 6(1):32-37 (1987) (6 pages)
↓	Uno, S., Asmussen, E., "Selected variables in bonding to dentin", Scand. J. Dent. Res. 1992: 100: 130-3 (2 pages)
RL	G.L. Unterbrink and R. Muessner, "Influence of light intensity on two restorative systems", J. Dent., vol. 23, no. 3, pp. 183-189 (1995) (7 pages).

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5/9/2005

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Group Art Unit 2875

U.S. PATENT APPLICATIONS

EXAMINER INITIAL	SERIAL NUMBER	FILING DATE	Title	Inventor		
RL	10/080,489	February 22, 2002	Light-Curing Device with Detachably Interconnecting Light Application	Dan E. Fletcher, DDS Bruce S. McLean		
	10/068,397	February 5, 2002	Curing Light with Plurality of LED's and Corresponding Lenses	Dan E. Fletcher, DDS Bruce S. McLean		
	10/068,103	February 5, 2002	Lightweight Hand Held Dental Curing Devices	Dan E. Fletcher, DDS Bruce S. McLean		
	10/044,346	January 11, 2002	Optical Lens Used to Focus LED Light	Bruce S. McLean Vasily Nosov		
RL	10/024,110	December 17, 2001	Heat Sink with Geometric Arrangement of LED Surfaces	Robert R. Scott		

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RL	Email from Jens Jenkins [jjenkins@wnspat.com] to Dan McCarthy Re: Pending Application Information dated Wednesday, April 03, 2002 (2 pages) and listing 5 pending U.S. patent applications.

EXAMINER	RL	DATE CONSIDERED	5/9/2005
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
PL	DE 25 57 920 B2	3/20/1980	Germany	A61C 5/04			X
	DE 29 27 260 A1	2/28/1980	Germany	A61N 5/08			X
	1 570 507	12/8/1976	Great Britain	A61N 5/08		X	
PL	0 339 841 B1	2/11/1989	European Patent Specification	C08F 2/50		X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	PL	DATE CONSIDERED	5/9/2005
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U.S. PATENT DOCUMENTS

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	A. Mehl, H. Staunau, D. Schreyer, K.H. Kunzelmann, R. Hickel, LMU University Dental School, D-80336 Munich Germany, 1 page abstract, Journal of Dental Research, vol. 74, 1995, special issue p. 462.
	Sakaguchi and Berge, "Light Intensity Effects on Degree of Cure Posterior Composite", #1972, IADR 1997 (4 pages).
	Shigero Uno and Erik Asmussen, "Marginal Adaptation of A Restorative Resin Polymerized At A Reduced Rate" (5 pages).
	Peter Koran & Ralf Kurschner, "Effect of sequential versus continuous irradiation of a light cured resin composite on shrinkage, viscosity, adhesion, and degree of polymerization, CE Article #3-198, Americal Journal of Dentistry, vol 11, No. 1, February 1998 (6 pages).
	A. Mehl, R. Hickel, K.H. Kunzelmann, Dental School Munich Germany, "Physical properties and gap formation of light cured composites with and without softstart-polymerization" faxed copy dated May 30, 1996 (27 pages).
	K.J. Reinhardt and J. Vahl, "Uncertainties in the Testing of Photopolymers" 11 pages.
	A.J. Felzer, L.H. Dooren, A.J. de Gee, and C.L. Davidson, "Influence of light intensity on polymerization shrinkage and integrity of restoration cavity interface", Eur J. Oral Sci. 1995; 103: 322-326 (5 pages).
	A. Mehl, M. Sobota, R. Hickel, "Soft start polymerization of composites in class V cavities"(10 pages).
	Saliha S. Davidson-Kaban, Carel L. Davidson, Albert J. Feilzer, Anton J. de Gee, Nejdett Erdilek, "The effect of curing light variations on bulk curing and wall to wall quality of two types and various shades of resin composites", Dent Mater 12:344-352, November, 1997 (9 pages)
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Dental Cadmos 7/93, pages 62 & 63.
	A. Mehl, M. Sobota, R. Hickel, "Softstartpolymerisation von Kompositen in Klasse V Kavitäten", Dtsch Zahnarztl Z 52 (1997) in German (4 pages).
	G. Goracci, L. Casa de Martinis, G. Mori, "Compositi e Polymerizzazione Lenta", Dental Dadmos 13/92 in Italian (12 pages).
	G. Goracci, L. Casa de Martinis, G. Mori, "Polymerizzazione di Materiali Compositi", Dental Dadmos 7/93 in Italian (14 pages).
	J. Reinhardt and J. Vahl Munster, "Unsicherheiten bei der Prüfung von Photopolymerisaten", Dtsch zahnarztl Z. 36, 635-640 (1981) in German.

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Group Art Unit **2875**

U.S. PATENT DOCUMENTS

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	6,208,768	3/27/2001	Nosov	385	121	7/29/1998
	6,200,134	3/13/2001	Kovac et al	433	29	1/20/1998
	6,103,203	8/15/2000	Fischer	422	186	8/15/2000
	6,099,520	8/8/2000	Shmoji	606	2	6/30/1998
	6,089,740	7/18/2000	Forehand et al	362	573	1/8/1998
	6,008,264	12/28/1999	Oster et al	522	4	4/26/1998
	5,912,470	8/13/1999	Elbofner et al	250	504H	
	5,980,295	6/1/1999	Kawata	433	29	
	5,908,294	8/1/1999	Schick et al	433	29	
	5,797,740	8/25/1998	Lundvik	433	29	
	5,791,898	8/11/1998	Maissami	433	164	
	5,782,553	7/21/1998	McDermott	382	245	
	5,711,665	1/27/1998	Adam et al	433	9	
	5,660,461	8/28/1997	Ignatius et al	262	241	
	5,521,392	5/28/1996	Kennedy et al	250	492.1	
	5,485,317	1/16/1996	Perissinotto et al	359	712	
	5,457,811	10/10/1995	Verderbar	362	32	
	5,350,834	9/27/1994	Bobsein et al	528	485	
	5,348,552	9/20/1994	Nakajima et al	606	13	
	5,238,744	8/24/1993	Williams et al	428	412	
	5,151,520	9/29/1992	Gottschalk et al	548	110	
	5,139,495	8/18/1992	Dalkuzono	606	17	
	4,938,776	6/26/1990	Kwiatkowski	433	220	
	4,833,566	8/13/1989	Herold et al	31	308	
	4,698,730	10/6/1987	Sakai et al	362	311	
	4,308,120	12/29/1981	Penneweiss et al	204	159.23	
	4,281,366	7/28/1981	Wurster et al	362	32	
	4,229,658	10/21/1980	Gosner	250	504	
	4,184,196	1/16/1980	Moret et al	433	29	
	4,149,086	4/10/1979	Nath	250	504	

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